

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of managing a radio bearer in a mobile communication system, comprising:

receiving a ~~packet service interruption request~~ Preserve PDP Context Request message from a mobile station; and

releasing the radio bearer assigned between the mobile station and a Universal Terrestrial Radio Access Network (UTRAN) while maintaining a Packet Data Protocol (PDP) Context message in the mobile station.

2. (Previously Presented) A method of managing a radio bearer in a mobile communication system, comprising:

(a) transmitting from a mobile station a Preserve Packet Data Protocol (PDP) Context Request message corresponding to a service interruption session;

(b) releasing the radio bearer assigned to the mobile station; and

(c) transmitting a Preserve PDP Context Accept message to the mobile station.

3. (Original) The method of claim 2, further comprising:

requesting the release of the radio bearer corresponding to the service interruption session after step (a).
4. (Previously Presented) The method of claim 2, further comprising:

transmitting a Response message indicating the radio bearer has been released after step (b).
5. (Original) The method of claim 2, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management (SM) cause value, and a Tear Down indicator.
6. (Previously Presented) The method of claim 5, wherein the Protocol discriminator, the Transaction ID, the Preserve PDP Context Request message ID, and the SM cause value are mandatory elements, and the Tear Down indicator is an optional element.
7. (Previously Presented) The method of claim 5, wherein respective formats of the Protocol discriminator, the Transaction ID, the Preserve PDP Context Request message ID, and

the SM cause value include only Value, and a format of the Tear Down indicator includes Type and Value.

8. (Original) The method of claim 5, wherein the SM cause value is a cause value for a temporary service interruption.

9. (Previously Presented) The method of claim 5, wherein the SM cause value is used as a User Inactivity value.

10. (Original) The method of claim 2, wherein the Preserve PDP Context Accept message includes a Protocol discriminator, a Transaction ID, and a Preserve PDP Context Accept message ID.

11. (Previously Presented) The method of claim 10, wherein the Protocol discriminator, the Transaction ID, and the Preserve PDP Context Accept message ID are mandatory elements, of which respective formats have only Value.

12. (Original) The method of claim 2, wherein the Preserve PDP Context Request and the Preserve PDP Context Accept messages follow a form used in a Session Protocol of 3GPP.

13. (Previously Presented) The method of claim 2, wherein the Preserve PDP Context Request and the Preserve PDP Context Accept messages are managed in the mobile station.

14. (Currently Amended) A system for managing a radio bearer in a mobile communications system, comprising:

a receiver which receives a ~~packet service interruption request~~Preserve PDP Context Request message from a mobile station; and

a controller which releases a radio bearer assigned to the mobile station while a packet data protocol (PDP) context message is maintained in the mobile station.

15. (Previously Presented) A system for managing a radio bearer in a mobile communications system, comprising:

a receiver which receives from a mobile station a Preserve Packet Data Protocol (PDP) Context Request message corresponding to a service interruption session; and

a controller which releases a radio bearer assigned to the mobile station and transmits a Preserve PDP Context Accept message to the mobile station.

16. (Original) The system of claim 15, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management cause value, and a Tear Down indicator.

17. (Previously Presented) The system of claim 16, wherein the Protocol discriminator, Transaction ID, Preserve PDP Context Request message ID, and Session Management cause value are all mandatory elements, and the Tear Down is an optional element.

18. (Previously Presented) The system of claim 16, wherein respective formats of the Protocol discriminator, Transaction ID, Preserve PDP Context Request message ID, and Session Management cause value each include Value, and a format of the Tear Down indicator includes Type and Value.

19. (Original) The system of claim 16, wherein the Session Management cause value is a cause value for a temporary service interruption.

20. (Original) The system of claim 16, wherein the Session Management cause value is used as a User Inactivity value.

21-22. (Canceled)

23. (Currently Amended) The method of claim 1, wherein ~~receiving a packet service interruption request comprises~~ receiving a Preserve PDP Context Request message comprises receiving a message requesting that the PDP Context be maintained in the mobile station while the radio bearer is temporarily released.

24. (Previously Presented) The method of claim 23, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management (SM) cause value, and a Tear Down indicator.

25. (Previously Presented) The method of claim 24, wherein the Protocol discriminator, the Transaction ID, the Preserve PDP Context Request message ID, and the SM cause value are mandatory elements, and the Tear Down indicator is an optional element.

26. (Previously Presented) The method of claim 23, wherein releasing the radio bearer further comprises transmitting a Preserve PDP Context Accept message to the mobile station.

27. (Previously Presented) The method of claim 26, wherein the Preserve PDP Context Accept message includes a Protocol discriminator, a Transaction ID, and a Preserve PDP Context Accept message ID.

28. (Previously Presented) The method of claim 27, wherein the Protocol discriminator, the Transaction ID, and the Preserve PDP Context Accept message ID are mandatory elements, of which respective formats have only Value.

29. (Currently Amended) The system of claim 14, wherein the ~~service interruption request comprises a~~ Preserve PDP Context Request message comprises a message requesting that the PDP Context be maintained in the mobile station while the radio bearer is temporarily released.

30. (Previously Presented) The method of claim 29, wherein the Preserve PDP Context Request message includes a Protocol discriminator, a Transaction ID, a Preserve PDP Context Request message ID, a Session Management (SM) cause value, and a Tear Down indicator.

31. (Previously Presented) The method of claim 30, wherein the Protocol discriminator, the Transaction ID, the Preserve PDP Context Request message ID, and the SM cause value are mandatory elements, and the Tear Down indicator is an optional element.

32. (Previously Presented) The method of claim 29, wherein the controller is configured to transmit a Preserve PDP Context Accept message when the radio bearer is released.

33. (Previously Presented) The method of claim 32, wherein the Preserve PDP Context Accept message includes a Protocol discriminator, a Transaction ID, and a Preserve PDP Context Accept message ID.

Serial No. 10/628,402

Docket No. K-0527

Amendment dated June 15, 2006

Reply to Office Action of April 10, 2006

34. (Previously Presented) The method of claim 33, wherein the Protocol discriminator, the Transaction ID, and the Preserve PDP Context Accept message ID are mandatory elements, of which respective formats have only Value.